TIBO

Turn it back on

User Guide

TI430

Please read this user manual carefully before using your TI430 Hi-Fi system and retain for future reference.

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SAFETY

Safety precautions

A triangle with a lighting symbol draws the user's attention to "dangerous voltage" without insulation in the cabinet, which may be high enough to entail a risk of an electric shock.

A triangle with an exclamation mark draws the user's attention to important instructions for use and maintenance in the accompanying manual, which should be studied and adhered to.

The symbol for a CLASS II (double insulation) product.

Warning:

To minimise the risk of fire or electric shock, do not expose the unit to liquid or moisture. Do not open the cabinet as it contains dangerous voltages. Only qualified technicians are allowed to carry out repair and service of this system.

If the plug of the power cord needs to be replaced. It is important that the replacement is identical to the plug that needs to be replaced, or that the new plug has been recommended by the manufacturer.

Caution:

To avoid electric shock, it is important to insert the plug correctly into the wall outlet.

Important safety instructions

Warning:

It is important that you read and observe both the instructions in this manual and the instruction on the unit. Keep this manual for safe future reference. This unit was designed and manufactured with a view to providing maximum safety for the user. Incorrect use of the unit may cause an electric shock or fire. The protection devices built into this unit will protect the user if the procedures below are observed in connection with installation, use and repair. This unit is fully electronic and contains no parts that can be repaired by the user.

Do not remove the covers. Risk of dangerous voltage. Only qualified technicians are allowed to repair the unit.

Read the manual

After unpacking the unit, please read the manual carefully and observe all the instructions given.

Power supply

Only the power supply indicated on the rating plate must be used for this unit. If you are not sure which power supply you have, please contact your local dealer.

Earthing or polarisation

If the plug cannot be inserted properly into the socket, or if the plug does not fit, the unit must not be used in your country.

Ventilation

The cabinet is provided with slots and openings to ensure ventilation and reliable operation and to protect the unit against overheating. Do not block or cover these openings. The openings must never be blocked, for instance by placing the unit on a bed, a sofa, a carpet or similar surface.

Heat

Do not place the unit near sources of heat such as radiators, ovens or other units that produce heat.
Water and moisture.
The unit must not be placed close to water, such as bathtub, wash basin, kitchen sink or washing machine, in a damp cellar or close to a swimming pool, etc.

Cleaning

Unplug the unit before cleaning. Do not use liquid detergents and aerosol cleaning agents. Use a dry cloth.

Power cords

Wiring must be organised to prevent people from stepping on the cables and to avoid pinching by objects placed on or beside them. Take special care around sockets and plug boxes and where the power cords leave the unit.

Lightning

Unplug the unit for additional protection during storms or when the unit is not used for prolonged periods. This will prevent damage to the unit from lightning and power surges.

Important safety instructions

Penetration of objects and liquid

Never push any foreign objects through the openings into the unit, as they may touch dangerous voltage points or short-circuit parts and cause fire or an electric shock. Do not spill liquid onto the unit.

Accessories

Do not place the unit on unstable surfaces such as a trolley, stand, tripod, shelf or table. The unit may fall and cause serious injury to persons or damage to the unit. Use only trolley, stand, tripod, shelf or table that is very stable or provided with the unit. The unit must be installed in accordance with the manufacturer's instructions and by means of installation equipment recommended by the manufacturer. If the unit is placed on a trolley, the trolley must be moved very carefully. Sudden stops, unnecessary force and uneven surfaces may cause the trolley to turn over.

Loads

Do not place heavy loads on the unit and do not step on it. The load may fall and cause serious injury to persons or damage to the unit.

Damage

Unplug the unit and contact qualified technicians in the following cases:

A. If the power cord or the plug is damaged.
B. If liquid has been spilled on the unit or objects have fallen into the unit.
C. If the unit has been exposed to liquid or moisture.
D. If the unit does not work properly after adhering to the instructions in the operation manual. Only the settings described in the operation manual must be made as incorrect setting may result in damage and often will make it difficult for a qualified technician to make the unit work properly again.
E. If the unit has been dropped or damaged in any other way.
F. When the operation of the unit changes drastically, the unit requires service.

Service

Do not attempt to carry out any service work by yourself.By opening or removing the cover, you will be exposed to dangerous voltage or other hazards. Any service work should be carried out by qualified technicians.

Recycling

If at any time in the future you need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

Approval

This product complies with European Low Voltage and Electromagnetic Compatibility Directives when used and installed according to this instruction manual.

INCLUDED IN THE BOX

Accessories

Included with this TI430 Hi-Fi system are the following accessories:

Box 1

1 x User Manual

1 x Quick Start Guide

1 x TI430 CD Player

1 x TI430 DAB/FM Tuner

1 x TI430 BT/Amplifier

1 x Remote Control
(2 x AAA batteries included)

3 x Main Plugs

1 x FM Antenna

1 x Bluetooth Antenna

2 x Speaker Cables

2 x RCA Audio Cables

1 x Extensions Lead

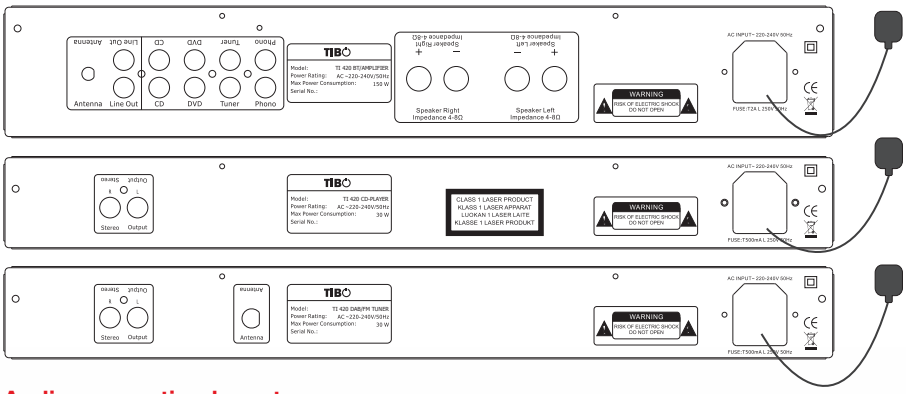
Box 2

1 x Pair of Speakers

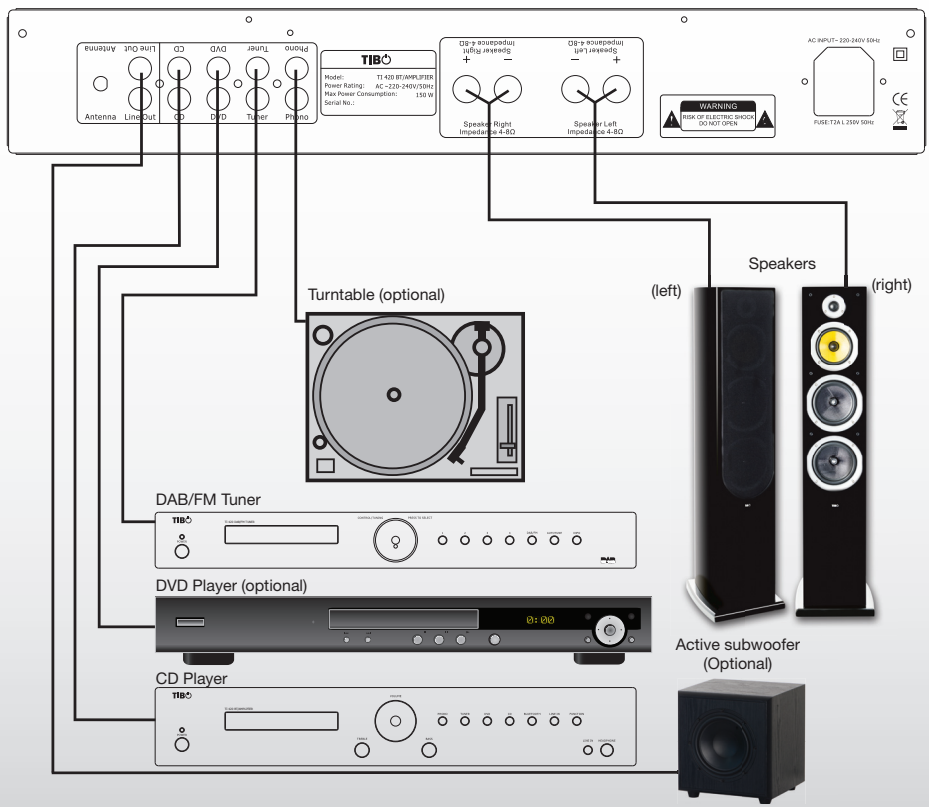
Please save your packaging as you will need this in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly. The safest way to package your item in the event of warranty/service repair is in it's original box/packaging.

SETTING UP THE SYSTEM

Connecting to the mains



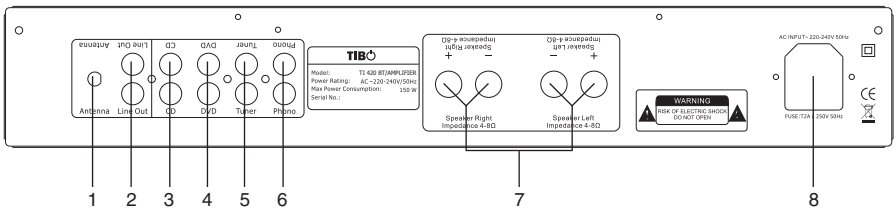
Audio connection layout



Check that all other connections have been made correctly before inserting the mains plug into the wall outlet.

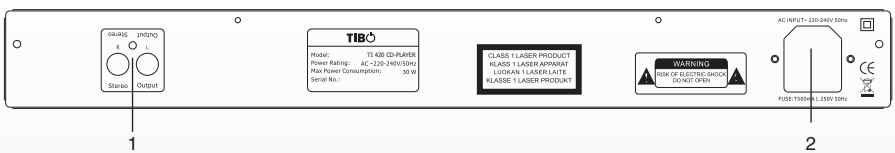
SETTING UP THE SYSTEM

BT / Amplifier



1. **Antenna:** For connection of the supplied Bluetooth antenna.
2. **Line-out:** For connection to an optional powered subwoofer or an external amplifier.
3. **CD:** For connection of the TI 430 CD-PLAYER.
4. **DVD:** For connection of a DVD player.
5. **Tuner:** For connection of the TI 430 FM/DAB TUNER.
6. **Phono:** For connection of a turntable (Note: Additional ground terminal available above inputs).
7. **Speaker left & right:** For connection of the TI 430 SPEAKERS.
   Note: The cable ends must not come into contact with each other or the cabinet back panel.
8. **AC input:** For connection of the mains supply. Make sure that the plug is correctly inserted into the wall outlet.

CD Player



1. **Stereo output:** Analogue stereo output. For connection to the TI430 BT/AMPLIFIER.
2. **AC input:** For connection of the mains input. Make sure that the plug has been correctly inserted into the wall outlet.

DAB/FM Tuner

1. **Stereo output:** Analogue stereo output. For connection to the TI430 BT/AMPLIFIER.
2. **Antenna:** Connect the supplied FM antenna.
3. **AC input:** For connection of the mains input. Make sure that the plug has been correctly inserted into the wall outlet.

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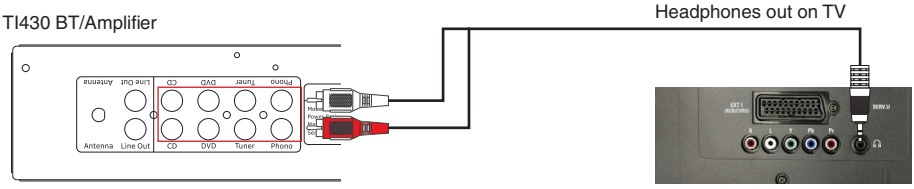
CONNECTING A TV TO THE TI430

Option 1

How to connect without a scart adaptor?
1. Connect a line cable L/R to TI430 BT/Amplifier – Line-in.
2. Connect a 3.5 mm end to headphones output on a TV.

TI430 BT/Amplifier

Headphones out on TV

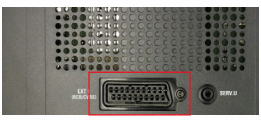


Note: RCA audio to 3.5 mm jack cable not included.

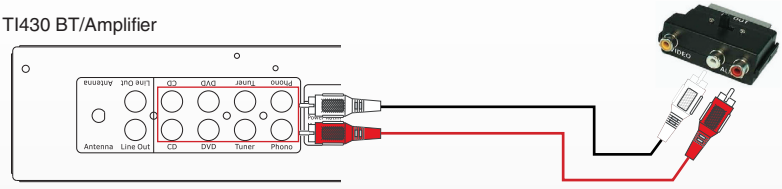
Option 2

How to connect to a TV using a scart adaptor?
1. Connect a line cable to TI430 BT/Amplifier – Line-in.
2. Connect a line cable to scart adaptor.
3. Make sure the scart adaptor is set to output - not input.
4. Insert scart adaptor into the scart socket on the TV.

Scart out on TV



TI430 BT/Amplifier



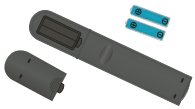
Note:
a) Line cable is not included.
b) Scart adaptor is not included.

REMOTE CONTROL

Installation of batteries

1. Remove the cover as illustrated.

2. Position two batteries of the type AAA in the battery compartment. Make sure that the polarity of the batteries is correct (see drawing at bottom of the remote control).

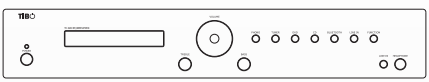


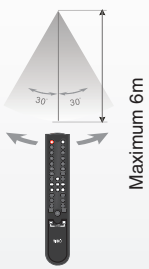
3. Replace the cover.

Note:
A) Do not mix new and old batteries and do not use different types of batteries.
B) If the remote control is not used for prolonged periods, remove the batteries from the remote control to avoid corrosion.

Using the remote control

Direct the remote control at the sensor on the front panel of the unit. When the remote control signal is received, the unit reacts accordingly. The remote control works within a range of 6 meters.





Sometimes the remote control does not work well in strong light. You may have to move the unit if it is a problem. Malfunction may occur if other remote controls are used near the unit.

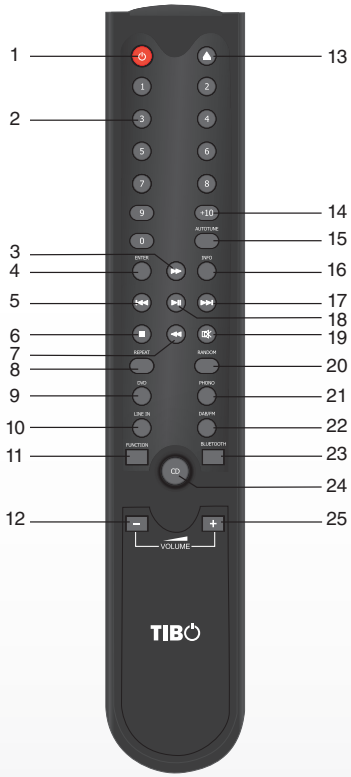
Do not place any objects on the remote control, as the batteries may become flat if a key is depressed constantly. Make sure that there are no obstacles between remote control and the unit.

Do not position the unit behind tinted glass as it may reduce the maximum range of the remote control.

REMOTE CONTROL

Remote control functions

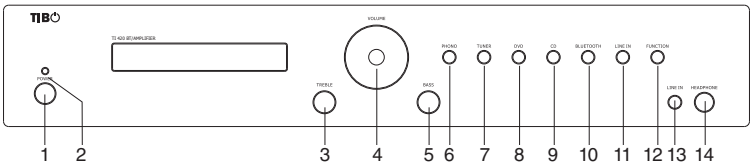
1. **Power:** Sets TI430 BT/AMP, TI430 CDP, TI430 DAB/FM into standby.
2. **0-9 digits:** Selects tracks on the TI430 CDP and pre-set stations on TI430 DAB.
3. **Fast forward:** Fast forward playback.
4. **Enter:** For TI430 DAB only.
5. **Previous:** Select the previous track.
6. **Stop:** Stop playback.
7. **Fast rewind:** Rewinds playback.
8. **Repeat:** Repeat a single or all tracks on CD disc.
9. **DVD:** To activate the DVD source.
10. **Line-in:** To activate the Line-in source.
11. **Function:** Enters the menu on the TI430 BT/AMP.
12. **Volume decrease:** turns down the volume.
13. **Eject:** Opens and closes the disc tray on the TI430 CDP.
14. **+10:** Use this button along with the 0-9 digits to select tracks on the TI430 CDP and pre-set sattions on TI430 DAB above 10. For example press the +10 button and the 5 digit to select track 15 on a disc.
15. **Autotune:** Press once to automatically tune for a station at a higher frequency.
16. **Info:** Displays the RDS and DAB information for the tuner.
17. **Next:** Selects the next track on.
18. **Play/Pause:** Starts and pauses playback.
19. **Mute:** Mutes the sound.
20. **Random:** All tracks are played in a random order.
21. **Phono:** To activate the phono function.
22. **DAB/FM:** To activate the TI430 DAB and FM function.
23. **Bluetooth:** To activate the Bluetooth audio function.
24. **CD:** To activate the TI430 CD Player and the TI430 AMP on and selects the CD input on the TI430 BT/AMP.
25. **Volume increase:** Turns up the volume.



Some of the functions of the unit can only be performed by means of the remote control. Some functions are connected with the selected signal input source. Some buttons on the remote control may therefore not be available if the corresponding signal input source has not been selected.

AMPLIFIER

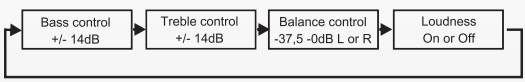
Front panel



1. **Mains switch:** Used to turn On/Off the mains power.
2. **LED indicator:** Lights up blue when the amplifier is turned On. Lights red in standby mode.
3. **Treble:** Adjusts the treble level.
4. **Volume:** Adjusts the master volume, Bass, Treble, Balance and Loudness.
5. **Bass:** Adjusts the Bass level.
6. **Phono:** Activates the phono input.
7. **Tuner:** Activates the tuner input.
8. **DVD:** Activates the DVD input.
9. **CD:** Activates the CD input.
10. **Bluetooth:** Activates the Bluetooth function.
11. **Line-in:** Activates the line-in.
12. **Function:** Gives access to menu functions such as Balance and Loudness.
13. **Line-in:** Connection for line-in input with mini jack.
14. **Headphone:** 6 mm jack that suits most headphones.

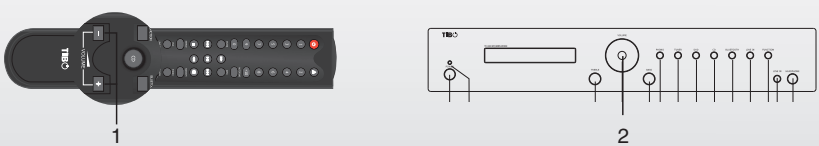
Using the function menu

The TI430 AMP features a “function menu” that allows the adjustment of the following when accessed via the remote: Bass, Treble, Balance and Loudness (see menu structure on right side). A description of the individual functions will follow on the next few pages.



Volume

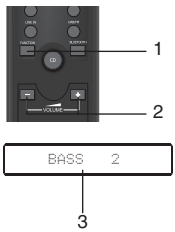
1. Press the VOL+ button to increase the volume and press VOL- to reduce the volume.
2. Turn the volume control to the right to increase the volume and turn the volume control to the left to reduce the volume.



Note: The volume control on the front panel can be turned both clockwise and anticlockwise to change the volume. The volume control includes 64 steps, from -78, -75 dB for minimum volume and up to 0 dB for maximum volume.

Bass

This amplifier features a bass control that allows adjustment of the bass level. Please note that the high bass boost level offered by the bass control may lead to permanent damage to your loudspeakers if high volume is used for prolonged period of time.

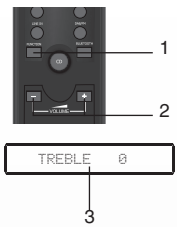


1. Press the Function button on the remote control to enter the Function menu. Keep pressing the Function button on the remote control until the display on the amplifier shows Bass.
2. Press VOL+ or VOL- to adjust the Bass level.
3. If you want to adjust the Bass level through the front panel, you must turn the Bass button clockwise or anticlockwise to adjust the Bass level.

Note: If the Bass control is not operated within five seconds, the display will return to the volume information display.

Treble

This amplifier features a treble control that allows adjustment of the Treble level. Please note that the high Treble boost level offered by the Treble control may lead to permanent damage to your loudspeakers if high volume is used for prolonged period of time.

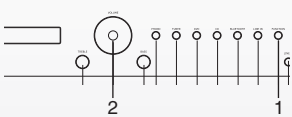


1. Press the Function button on the remote control to enter the Function menu. Keep pressing the Function button on the remote control until the display on the amplifier shows Treble.
2. Press VOL+ or VOL- to adjust the Treble level.
3. If you want to adjust the Treble level through the front panel, you must turn the Treble button clockwise or counter clockwise to adjust the Treble level.

Note: If the Treble control is not operated within five seconds, the display will return to the volume information display.

Balance

This amplifier features a balance control that allows the adjustment of the volume of one loudspeaker. This function is used to compensate for a non-centred listening position, and makes it possible to adjust the stereo perspective.

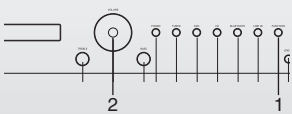


1. Press the Function button on the front panel or the remote control until information on balance control is displayed.
2. Turn the volume control to adjust the balance.

Note: If the balance control is not operated within five seconds, the display will return to the volume information display.

Loudness

This amplifier features a loudness function that allows boosting the volume of the low frequencies at low volume. This function is active at frequencies between 20 Hz and 800 Hz and the function is dampened when the amplifier volume is increased. When the volume is at the maximum setting, the loudness function has completely cut out.

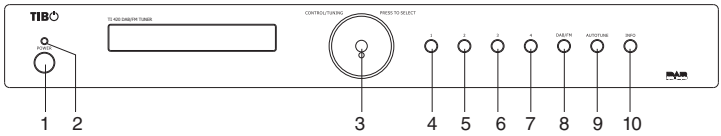


1. Press the Function button on the front panel or the remote control until information on loudness is displayed.
2. Turn the volume control to the right to activate the loudness function or to the left deactivate the loudness function.

Note: If the loudness control is not operated within five seconds, the display will return to the volume information display.

DAB/FM TUNER

Front panel



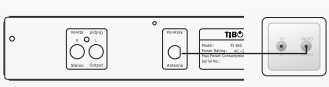
1. **Mains switch:** Used to turn On/Off the mains power.
2. **LED indicator:** Lights up blue when the amplifier is turned On. Lights red in standby mode.
3. **Control/Tuning:** Used to switch between the tuned in DAB stations. Manual tuner in FM mode. Press the button to select the DAB station.
4. **Preset No. 1:** Selects the station saved under no. 1. If the button is pressed for more than two Seconds, the station is saved as No. 1.
5. **Preset No. 2:** Selects the station saved under No. 2. If the button is pressed for more than two Seconds, the station is saved as No. 2.
6. **Preset No. 3:** Selects the station saved under No. 3. If the button is pressed for more than two Seconds, the station is saved as No. 3.
7. **Preset No. 4:** Selects the station saved under no. 4. If the button is pressed for more than two Seconds, the station is saved as No. 4.
8. **DAB/FM:** Switches between DAB and FM.
9. **Autotune:** Press once to automatic tune into DAB stations. Press the button for two seconds to initiate an international search.
10. **Info:** Switches between RDS and DAB information (program information, time and date, signal strength, etc.).

Adjusting the antenna

The sound quality depends on the signal strength of the antenna inputs. The position of the radio in relation to the transmitter thus directly influences the quality of the signal received. For an optimal result it is therefore very important that you make sure that the radio receives the best possible antenna signal.

A good tip is to let the antenna ends point in the vertical direction and fix them on a wall.

For an optimal result it is recommended to install a DAB antenna on the roof or in a loft.

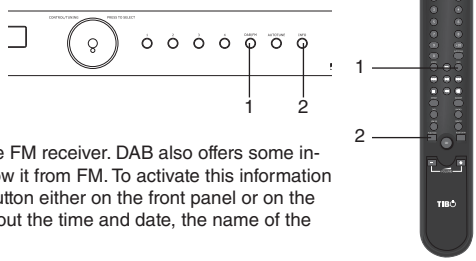


On/Off and standby

1. Turn On the unit by pressing the mains switch.
2. Press the standby button on the remote control to switch into standby mode. The display will turn Off and all functions will be reduced to a minimum to make sure that the unit uses minimal power. When in standby mode the unit only reacts to the Tuner button of the remote control (3).
3. If you want to turn Off the unit to avoid any power consumption, you must press the mains switch.

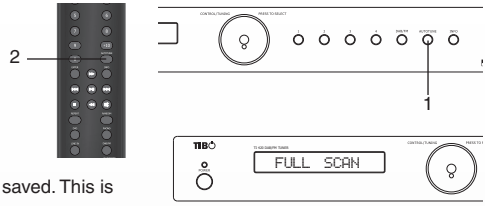
Protect the enviroment and turn Off the unit after use.

Info and function



1. As this tuner can receive both normal FM radio and DAB (Digital Audio Broadcasting), it features a function that can switch between the two reception types. To switch between DAB and FM, you must either press the DAB/FM button on the front panel or the DAB/FM button on the remote control.
2. This tuner features RDS (Radio Data System) on the FM receiver. DAB also offers some information possibilities that resemble RDS as we know it from FM. To activate this information from both DAB and FM, you must press the INFO button either on the front panel or on the remote control. The display will show information about the time and date, the name of the station, the name of artist, title, etc.

DAB tuning



When the unit is turned on for the first time, all settings will be set to the default settings. The settings can be changed according to your preferences. When the unit is turned off the next time, these settings will automatically be saved as the new default settings.
This also applies if you unplug the unit.

When the unit has been turned On, channels must be saved. This is done by means of the Autotune function.

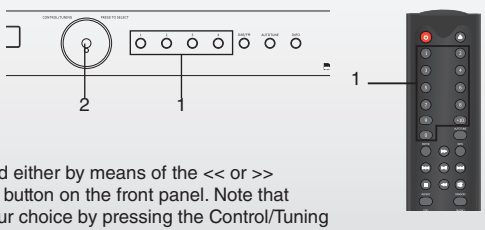
1. To use the Autotune function through the front panel controls, press the Autotune button for two seconds. An international search will be initiated.
2. You can also press the Autotune button on the remote control for two seconds.

Note: If the button is only pressed once, the unit will search once again for the channels already found (Quick scan).

If no channels are found, you must check if the antenna has been correctly connected and adjusted.

Note: In order to tune on the L band manual tuning must be selected. Press the Info button for two seconds, until the message Manual tune appears, then press Select. Use the Control/Tuning button on the front panel or the << or >> buttons to select a channel, and press Play/Pause again to store the channel.

Saving and selecting channels



1. If you want to save a channel under one of the presets, you must press down the button with the desired number concerned for two seconds. When the channel has been saved and you wish to listen to that channel, press the button with the number that you have saved the channel to. The procedure is the same for both FM and DAB.
2. Channels that have not been saved can be selected either by means of the << or >> buttons on the remote control or the Control/Tuning button on the front panel. Note that when the channel is selected, you must confirm your choice by pressing the Control/Tuning button on the front panel or the Play/Pause button on the remote. This function can be deactivated by pressing the Control/Tuning button on the front panel or the Play/Pause button on the remote control for two seconds.

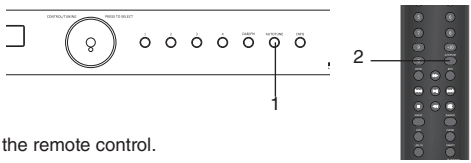
DAB/FM TUNER

FM tuning

The TI430 DAB offers both manual and automatic tuning on the FM band. This makes it possible to save just one specific channel. It also makes it possible to adjust the supplied antenna for the best possible signal.

Automatic tuning

1. To use the Autotune function through the front panel controls, you must press the Autotune button. The unit will search for a higher frequency with a proper signal. Press and hold the Autotune button for two seconds, the unit will search for a lower frequency with a proper signal.



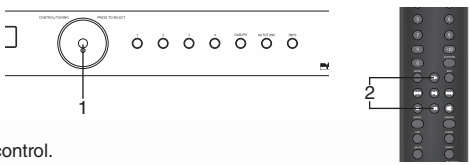
2. You can also activate the Autotune function by using the remote control.

On the display you can see that the frequency increases or decreases. When the tuner has found a channel, the tunning process will automatically stop, and the sound from the found channel will play.

If no channels are found, you must check if the antenna has been correctly connected an adjusted.

Manual Tuning

1. To activate the manual tuning function through the front panel controls, simply turn the Control/Tuning button. If you turn it clockwise, the unit will tune in to a station at a higher frequency and if you turn the button anticlockwise, the unit will tune in to a station at a lower frequency. It is also possible to activate the manual tuning function with the remote control.



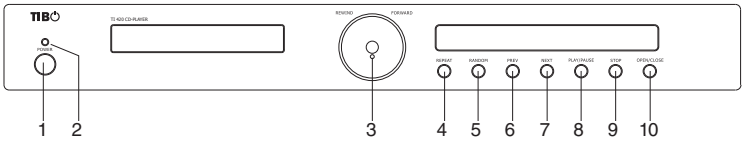
2. Use the << or >> buttons this works in the same manner as the Control/Tuning button on the front panel.

Note: If there are channels from FM band that have not been saved, you must tune into them again either manually or automatically, if you wish to listen to them again.

Reset

This tuner can be reset. This is used to delete all channels stored in the unit. Press and hold Info button for two seconds. Press the Info button once again until the display shows the message System Reset, then press Select. All stored channels have now been removed from the unit.

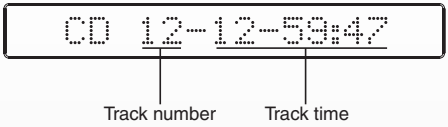
Front panel



1. **Mains switch:** Used to turn On/Off the mains power.
2. **LED indicator:** Lights up blue when the amplifier is turned On. Lights red in standby mode.
3. **Rewind/Forward:** Fast forward and reverse.
4. **Program:** Play the tracks of a CD in a programmed order.
5. **Random:** Play tracks on a CD in a random order.
6. **Previous:** Selects the previous track.
7. **Next:** Selects the next track.
8. **Play/Pause:** Starts playback when pressed once and stops playback when pressed twice.
9. **Stop:** Stops playback completely.
10. **Open/Close:** Opens and closes the CD tray.

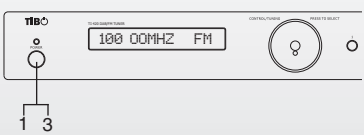
Explanation of VFD display

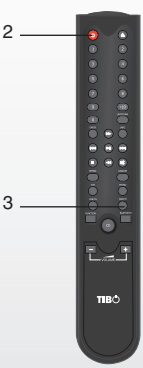
This unit does not feature any OSD (On Screen Display). Instead it features a more descriptive VFD display that displays all information required. Below you can see a picture of the display and an explanation of the various symbols.



On/Off and standby

1. Turn On the unit by pressing the mains switch.
2. Press the standby button on the remote control to switch the unit into standby mode. The display will turn Off and all functions will be reduced to a minimum to make sure that the unit uses minimal power. When in standby mode the unit only reacts to the Tuner button on the remote control (3).
3. If you want to turn Off the unit to avoid any power consumption, you must press the mains switch.



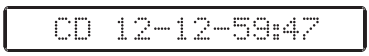


Protect the enviroment and turn Off the unit after use.

CD-PLAYER

Load a disc

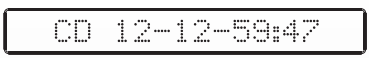
If you want to play a disc, you must load a CD. You do this by pressing the eject button the remote control or on the front panel of the CD player. When the disc has been read, the display will show the number of tracks on the disc and the total playback time.



If there is no disc in the tray, the message No Disc will be displayed. If the unit has trouble reading a disc, you must check if the disc is clean and free from dirt and scratches. If the disc is still not playing, you must contact your dealer.

Play

Press the Play/Pause button on the remote control or on the front panel once to start playback. The counter on the left side of the display will start to count upwards.



Pause a disc

Press the Play/Pause button once more to stop playback. The counter on the left side of the display will start to blink. To continue playback, press the Play/Pause button again.

Stop/Clear

To stop playback completely press Stop button once. The display will again display the number of tracks on the disc and the total playback time. When the stop button is pressed all previous programming settings will be deleted.

Previous/Next

When a CD track is being played it is possible to switch to the previous track or to the next track. If you want to continue to the next track, you must press the >>| (next) button on the remote control or on the front panel once. If you want to move on several tracks, you must press >>| until you reach the desired track. If you want to go back to one of the previous tracks, you must use the same procedure but not the same button. Use the |<< (previous) button instead.

Forward/Rewind

It is possible to perform a search in the track played. If you want to search forward, press the >> (forward) button on the remote control until you get to the part of the track that you wish to hear, then press play. You will see that the time counter in the display counts up very quickly.
To increase the search speed press 2 or 3 times on the >> button. You will see that the information on the display changes between >, >> and >>>, which indicates the speed.
If you wish to search backward use the same procedure as forward, but use the << (rewind) button instead.
It is possible to activate the search function by turning the Rewind/Forward button on the front panel.

Random playback

It is possible to select random playback by pressing the Random button on the remote control or on the front panel.
The CD tracks will be played in random order. The dash between the first and second number from the left starts to flash, when this function has been activated. It is possible to activate random play both in stop mode and during playback. Press the Random button again if you wish to deactivate random play.

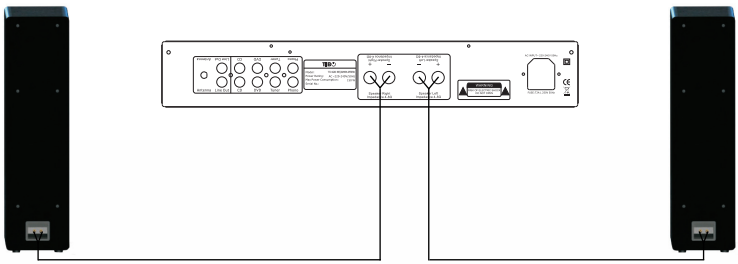
Flashing when random is activated

Note: When you press |<< or >>| during random play, it will not be possible to select the next track or any other track.

LOUDSPEAKERS

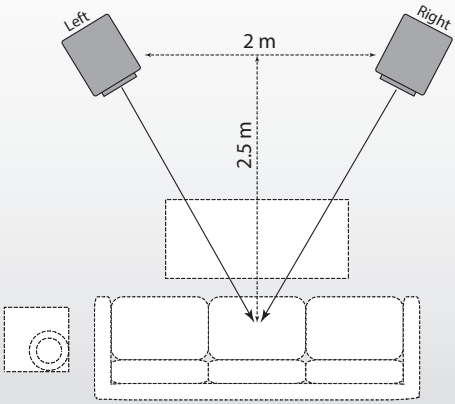
Connecting to amplifier

The TI430 loudspeakers are supplied with high quality multi strand speaker cables, colour coded to assist checking polarity. Always switch OFF your amplifier before making any connections or adjustments to the system. Wire the right-hand channel cable so that the positive (RED) terminal of your loudspeaker is connected to the positive (RED) on your amplifier, The negative (BLACK) terminal of your loudspeaker is connected to the negative (BLACK) terminal on your amplifier. Repeat the instructions for the left-hand channel. Do NOT connect more than one loudspeaker to one terminal on your amplifier.



Loudspeakers positioning

Ideally the TI430 loudspeakers should be positioned at least 50 cm from a rear wall, 1 meter from a side wall and at least 2 metres apart. The space between the two loudspeakers and the distance form the listeners are important. If loudspeakers are placed too close together or too far apart, stereo images will not be fully developed. In average living rooms, speaker distance between 2 and 4 metres will usually give the best results. The listeners distance from the loudspeakers should be at least equal to and preferably greater than the distance between the loudspeakers. Tests should be made with both speech and music before deciding upon final locations.



TIBO
Turn it back on

TECHNICAL DATA

Amplifier

Max. power consumption:	150 Watts
Signal to noise ratio:	> 90 dB
Power output:	2 x 50 Watts
Tone controls - Bass:	+/- 14 dB
Tone controls - Treble:	+/- 14 dB
Distortion:	< 0.1 % THD
Inputs:	6 x line-in including Bluetooth, 3.5 mm jack and phono
Speaker terminals:	High quality binding posts
Line-out:	1 x line-out
Dimensions (HxWxD):	70 x 430 x 285 mm
Weight:	5.6 kg

DAB/FM tuner

Max. power consumption:	30 Watts
Signal to noise ratio:	105 dB typical
Wavebands:	DAB band III, DAB L-band, FM
Presets:	10
Sensitivity:	96 dBm typical
Dimensions (HxWxD):	50 x 430 x 285 mm
Weight:	2.8 kg

CD-Player

Max. power consumption:	30 Watts
Signal to noise ratio:	> 90 dB
Frequency response:	20 - 20,000 Hz
Disc format (playback):	Audio CD/CD-R
Distortion:	< 0.1 % THD
Analog audio outputs:	Stereo RCA
Dimensions (HxWxD):	50 x 430 x 285 mm
Weight:	3.5 kg

Loudspeakers

Frequency response:	30 - 20,000 Hz
Long term power	200 Watts
Short term power	400 Watts
Sensitivity:	89dB 1M/1W
Terminals:	High quality binding posts
Impedance:	4 - 8 Ohm
Tweeter:	25 mm soft dome
Midd/woofer:	5.25” GlassFiber cone
Woofer:	2 x 6.5” GlassFiber cone woofer
Dimensions (HxWxD):	1055 x 210 x 285 mm
Weight:	18.2 kg

We reserve the rights to change the technical data and the design of the product without notice as a result of further development.

TROUBLE SHOOTING

Problem	Solution
No power when the amplifier is turned On.	Turn on the power at the wall outlet. Check that the plug has been correctly inserted into the wall outlet. The internal fuse has blown and must be replaced by a qualified service technician. The power cord has been damaged and must be replaced.
No sound from the speakers.	The unit has not been turned On. The volume control is set at a minimum (see page 11). The speaker cables have not been correctly connected. The wrong input source has been selected. No CD in the unit.
I can only hear sound coming out of one channel.	The balance control is not correctly adjusted (see page 12). The audio input cables have been incorrectly connected or damaged. The input source is defective. The speaker cables have been incorrectly connected or damaged. The speakers are defective (contact your retailer).
I can hear buzzing noise form speakers.	The audio input cables have been incorrectly connected or damaged. The ground cable for the record player has not been connected. The record player pick-up is defective. The RCA cables between the source and the amplifier have been wound around the power cord.
Weak bass and poor stereo perspective from the speakers.	The speaker connection is out of phase. Check that positive and negative poles have been correctly connected, both at the back of the amplifier (red and black connectors) and at the back of the speaker.
Distortion of sound from the speakers.	Some of the conductor wires of the speakers cable are in contact with each other which causes distortion. Bass and treble controls are set to high in relation to the speaker specifications. The volume is set too high.
The VFD display on the amplifier does not display any information.	The amplifier is defective and should be serviced by a qualified technician.
Error 1 message is displayed on the amplifier.	The amplifier is defective and should be serviced by a qualified technician.
The amplifier does not switch between inputs.	The amplifier is defective and should be serviced by a qualified technician.
The CD-Player will not read the disc.	Check if the disc has been turned upside down. Check if the disc is clean, inserted and undamaged. Check if it is a CD or a CD-R.
The CD-Player skips during playback.	Check if the disc is clean and undamaged. The unit is positioned on an unstable surface.
The display on the DAB does not show DAB information.	The TI430 DAB has not found any stations on DAB. The selected station does not broadcast any information. The antenna signal is poor (see page 13).
I can't hear the station selected on the DAB tuner.	You have not pressed the Control/Tuning button after selection. The station you listen will be described in the top line of the display. When you “scroll” through the channels you have to confirm you choice by pressing Control/Tuning button.
I can hear interference sounds at some of the station on the DAB tuner.	Antenna signal is to weak (see page 13).

TIBO
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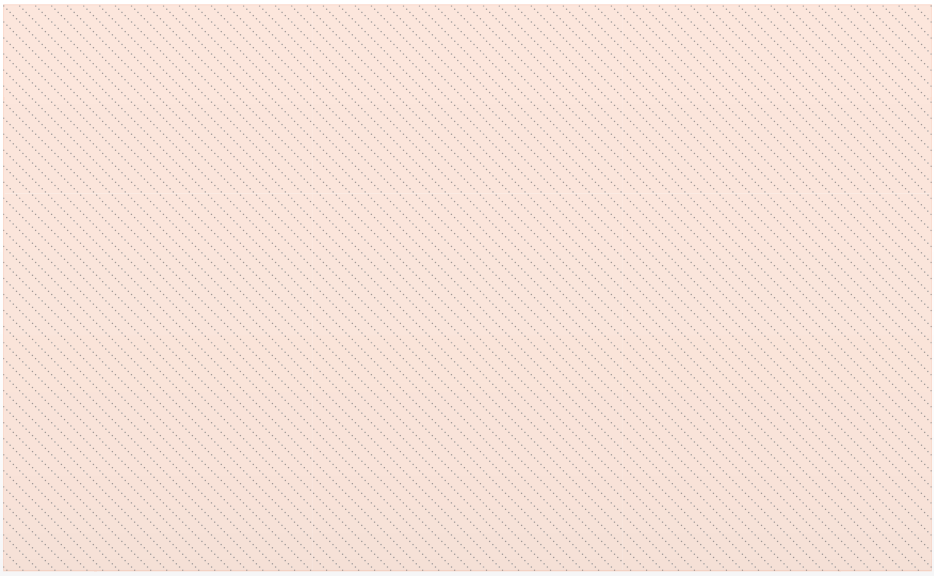
Proof of purchase (attach your receipt here).



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